

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/051054

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D221/12 A61K31/473 C07D401/12 C07D471/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No |
|------------|---|----------------------|
| Y | WO 97/28131 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 7 August 1997 (1997-08-07) cited in the application the whole document | 5-10 |
| A | ----- | 1-4, 11-18 |
| Y | WO 99/05113 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 4 February 1999 (1999-02-04) cited in the application the whole document | 5-10 |
| A | ----- | 1-4, 11-18 |
| | ----- -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 August 2005

Date of making of the international search report

31/08/2005

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Fink, D

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No |
|------------|---|----------------------|
| P,Y | WO 2004/019944 A (ALTANA PHARMA AG; KAUTZ, ULRICH; SCHMIDT, BEATE) 11 March 2004 (2004-03-11) cited in the application the whole document ----- | 5-10 |

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely.

Although claims 17 and 18 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/051054

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| WO 9728131 | A | 07-08-1997 | DE 19603321 A1 | 07-08-1997 |
| | | | AT 233735 T | 15-03-2003 |
| | | | AU 707058 B2 | 01-07-1999 |
| | | | AU 1719997 A | 22-08-1997 |
| | | | BR 9707233 A | 20-07-1999 |
| | | | CA 2245142 A1 | 07-08-1997 |
| | | | CN 1214681 A ,C | 21-04-1999 |
| | | | CZ 9802414 A3 | 16-12-1998 |
| | | | DE 59709437 D1 | 10-04-2003 |
| | | | DK 882021 T3 | 23-06-2003 |
| | | | EA 1205 B1 | 25-12-2000 |
| | | | EE 9800223 A | 15-12-1998 |
| | | | WO 9728131 A1 | 07-08-1997 |
| | | | EP 0882021 A1 | 09-12-1998 |
| | | | ES 2194180 T3 | 16-11-2003 |
| | | | HU 9900666 A2 | 28-06-1999 |
| | | | IL 125286 A | 14-08-2002 |
| | | | JP 2000503996 T | 04-04-2000 |
| | | | NO 983505 A | 11-09-1998 |
| | | | NZ 331374 A | 28-01-2000 |
| | | | PL 328019 A1 | 04-01-1999 |
| | | | PT 882021 T | 31-07-2003 |
| | | | SI 882021 T1 | 31-10-2003 |
| | | | SK 102498 A3 | 10-03-1999 |
| | | | US 6191138 B1 | 20-02-2001 |
| WO 9905113 | A | 04-02-1999 | AT 228507 T | 15-12-2002 |
| | | | AU 756349 B2 | 09-01-2003 |
| | | | AU 9154698 A | 16-02-1999 |
| | | | CA 2297911 A1 | 04-02-1999 |
| | | | DE 69809754 D1 | 09-01-2003 |
| | | | DE 69809754 T2 | 18-09-2003 |
| | | | DK 1000035 T3 | 17-03-2003 |
| | | | EE 200000032 A | 16-10-2000 |
| | | | WO 9905113 A1 | 04-02-1999 |
| | | | EP 1000035 A1 | 17-05-2000 |
| | | | ES 2189235 T3 | 01-07-2003 |
| | | | HU 0003311 A2 | 28-03-2001 |
| | | | JP 2001510827 T | 07-08-2001 |
| | | | PL 338452 A1 | 06-11-2000 |
| | | | PT 1000035 T | 30-04-2003 |
| | | | US 6121279 A | 19-09-2000 |
| WO 2004019944 | A | 11-03-2004 | AU 2003255493 A1 | 19-03-2004 |
| | | | CA 2495827 A1 | 11-03-2004 |
| | | | WO 2004019944 A1 | 11-03-2004 |
| | | | EP 1539164 A1 | 15-06-2005 |